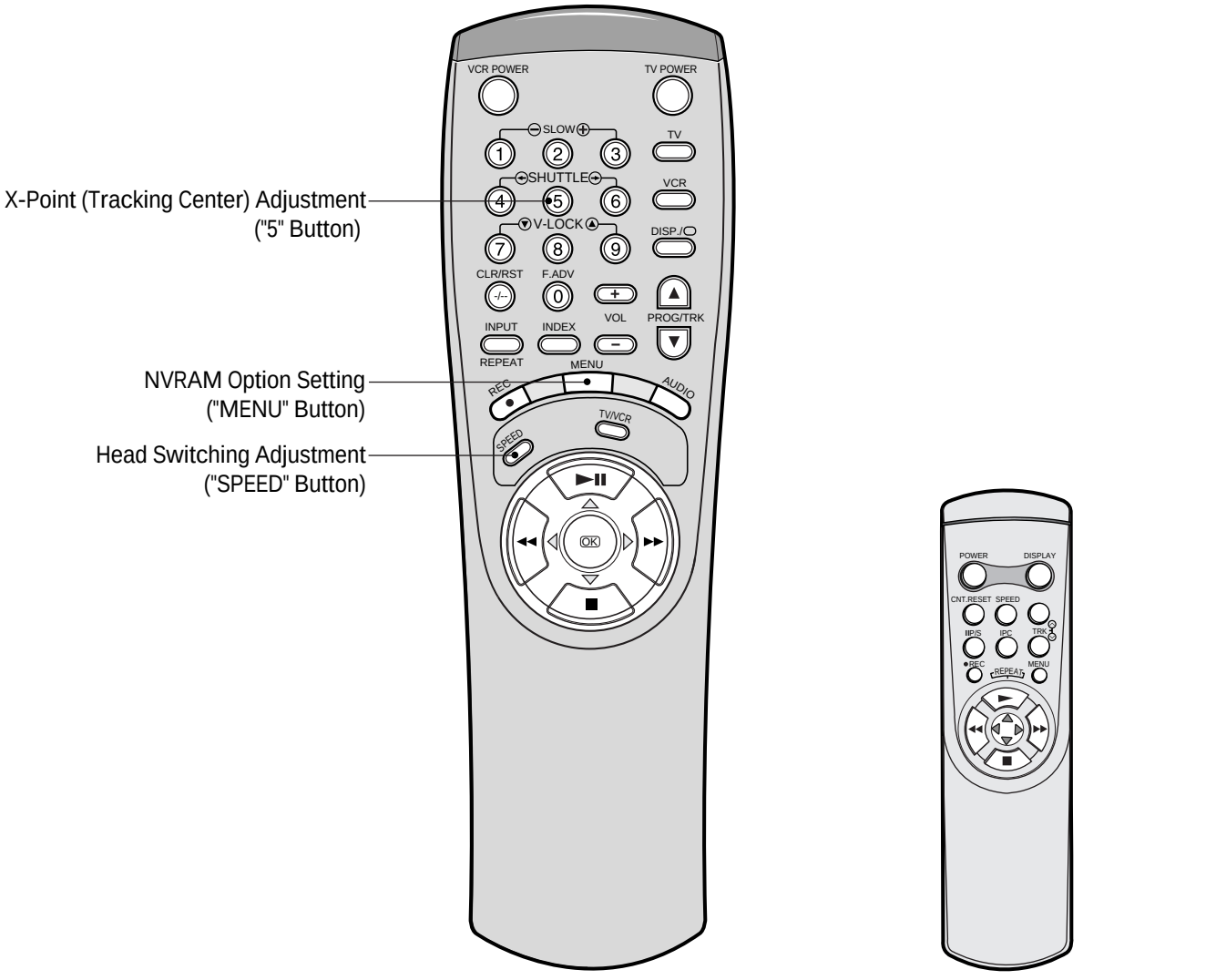
2. Alignment and Adjustment

2-1 Reference

1) X-Point (Tracking center) adjustment, “Head switching adjustment” and “NVRAM option setting” can be adjusted with remote control.
2) When replacing the Micom (IC601) and NVRAM (IC605 ; EEPROM) be sure to adjust the “Head switching adjustment” and “NVRAM option setting”.
3) When replacing the cylinder ass’y, be sure to adjust the “X-Point” and “Head switching adjustment”.
4) Among Samsung VCR remote control used for adjustment as a accessory, only the remote control that has figures buttons (0 ~ 9) is available for all adjustment regardless of chassis.
5) How to adjustment.
   - Press the “SW718 (TEST)” button on Main PCB to set the adjustment mode.
   - If the corresponding adjustment button is pressed, the adjustment is performed automatically.
   - If the adjustment is completed, be sure to turn the power off.

2-1-1 Location of adjustment button of remote control



<This type of remote control can adjust.>

<This type of remote control can not adjust.>

Remote Control for adjustment is not supplied as a Service Jig.

Fig. 2-1

2-1-2 SW718 (TEST) location for adjustment mode setting

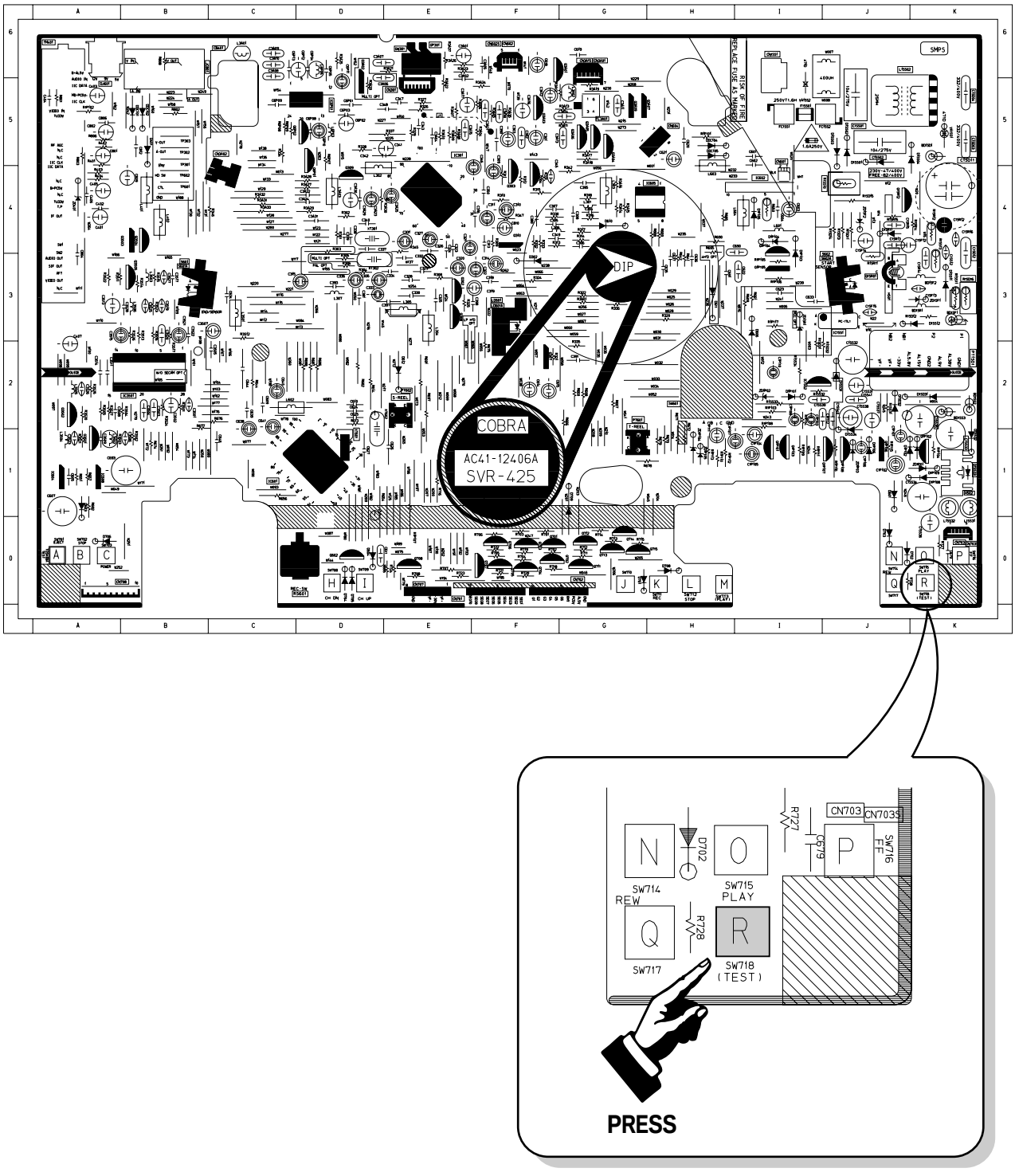


Fig. 2-2 Main PCB (Top View)

2-2 Mechanical Adjustment

Note : Refer to the Mechanical Manual "DX-9R (AC68-00001A)" for the adjustment and confirmation of ass'y full deck.

2-2-1 The number and position of test point

Test point :	TP601 (Control Pulse)
	TP602 (H'D S/W -Trigger)
	TP301 (Envelope)
	TP302 (Audio output)
	TP303 (Video output)

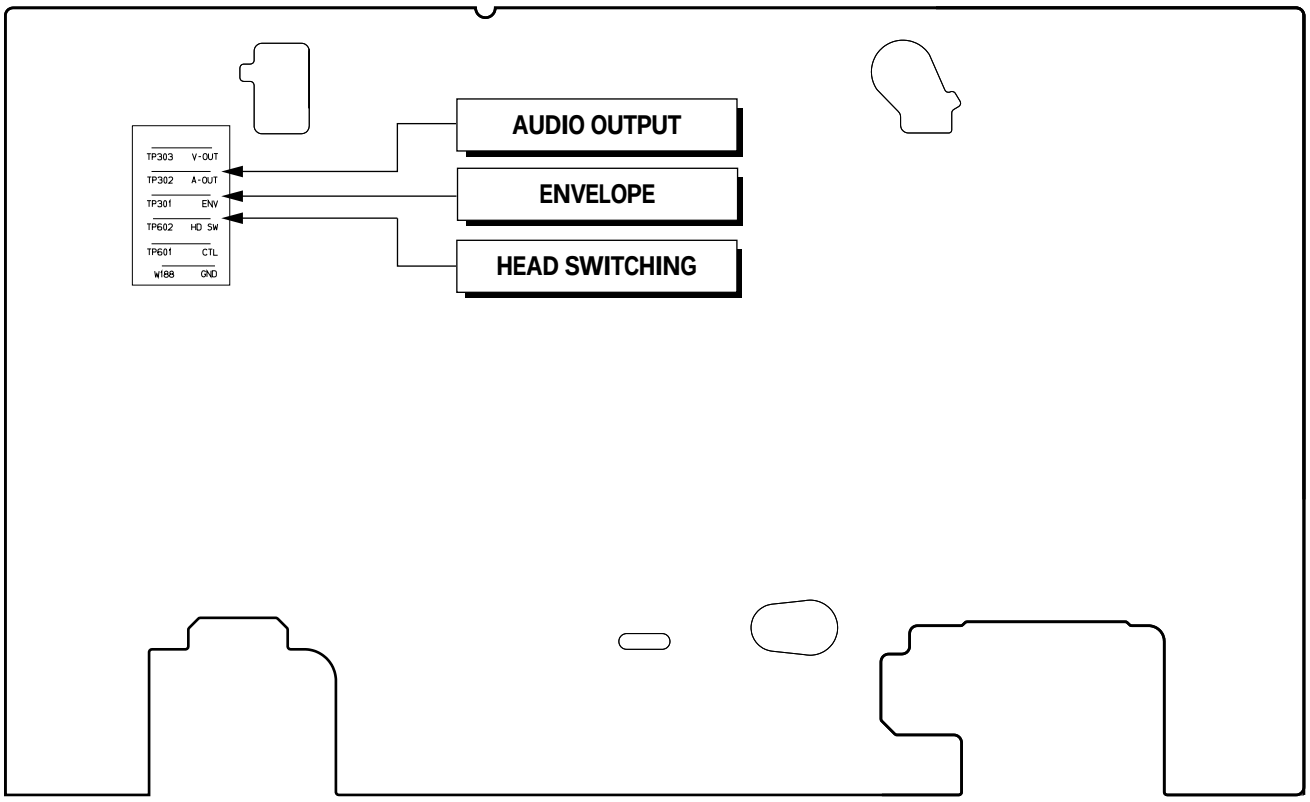


Fig. 2-3 Location of Test point (Main PCB-Top View)

2-2-1 ACE Head Position (X-Point) Adjustment

(See the 2-2-1(d) ACE Head Position (X-Point) Adjustment on page 2-2 of the Mechanical Manual)

1) Playback the alignment tape (Color bar).
2) Press the "SW718 (TEST)" button on Main PCB to set the adjustment mode. (See Fig. 2-2)
3) Press the "5" button of remote control then adjustment is operated automatically. (See Fig. 2-1)
4) Connect the CH-1 probe to TP301 (Envelope) the CH-2 probe to TP602 (H'D switching pulse) and then trigger to CH-1.
5) Insert the (-) driver into the X-Point adjustment hole and adjust it so that envelope waveform is maximum.
6) Turn the Power off.

2-3 Head Switching Point Adjustment

1) Playback the alignment tape.
2) Press the “SW718 (TEST)” button on Main PCB to set the adjustment mode. (See Fig. 2-2)
3) Press the “SPEED” button of remote control then adjustment is operated automatically. (See Fig. 2-1)
4) Turn the Power off.

2-4 NVRAM Option Setting

1) NVRAM Option is adjusted at production line basically.
2) In case Micom (IC601) and NVRAM (IC605 ; EEPROM) is replaced, be sure to set the corresponding option number of the repaired model. (If the option is not set, the unit is not operated.)

1) Press the “SW718 (TEST)” button on Main PCB to set the adjustment mode. (See Fig. 2-2)
2) Press the “MENU” button on the remote control about 5 seconds then option setting display is appeared. (See Fig. 2-4 and 2-5)
3) Select the option number (See Table 2-1 ; Page 2-5) of corresponding model with “FF” and “REW” button on the remote control.
4) If selecting the option number is completed, press the “PLAY” button of remote control. (If “PLAY” button is pressed, the selected number is changes reversed color. ; See Fig. 2-4 and 2-5)
5) Press the “OK (VCR)”, “MENU (VCP)” button of remote control again to store the option number. (“PLEASE WAIT” is displayed for a second as shown Fig. 2-6, 2-7 and this setting is completed.)
6) Turn the Power off.

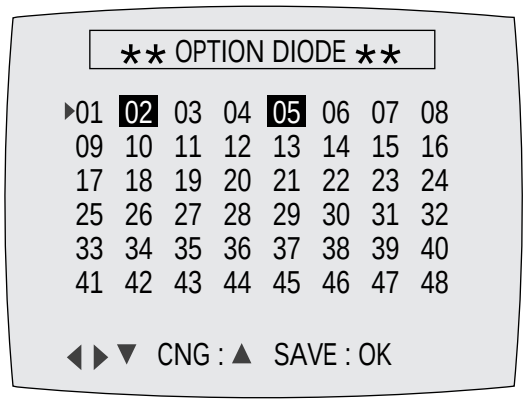


Fig. 2-4 (VCR)

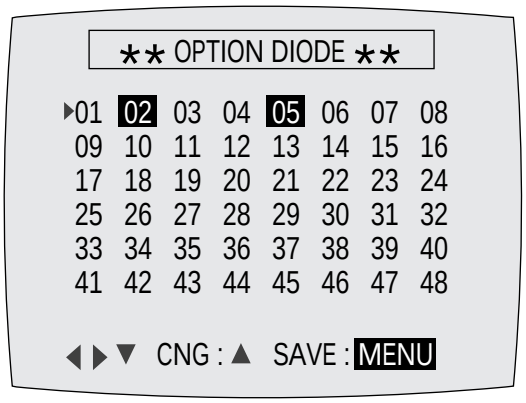


Fig. 2-5 (VCP)

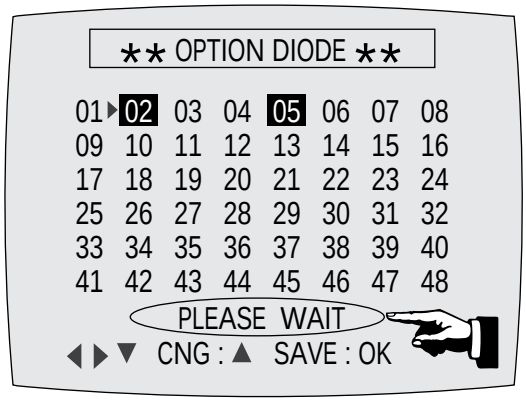


Fig. 2-6 (VCR)

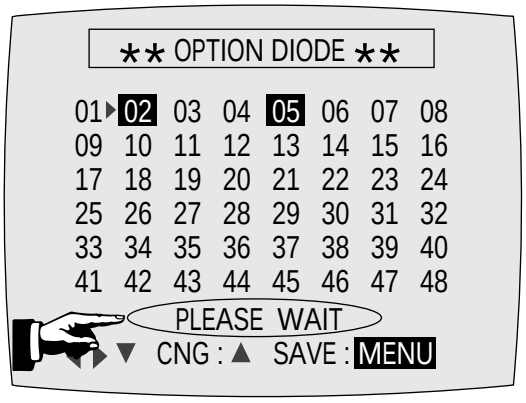


Fig. 2-7 (VCP)

<Table 2-1>

COUNTRY	MODELS	OPTION NUMBER
U.A.E. SYRIA	SV-425G	6, 8, 11, 12, 17, 18, 20, 25, 26, 30, 31, 32, 35, 42, 45, 46, 48
	SV-224G	6, 8, 11, 17, 18, 20, 25, 26, 30, 31, 32, 35, 39, 40, 42, 48
	SV-223G	6, 11, 17, 18, 20, 25, 26, 30, 31, 32, 35, 39, 40, 42, 48
	SV-122G	9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 38, 39, 40, 42, 48
	SV-121G	8, 9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 37, 40, 42, 48
	SV-100G	9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 37, 40, 42, 48
LEBANON	SV-425G	6, 8, 11, 12, 17, 18, 20, 25, 26, 30, 31, 32, 35, 42, 45, 46, 48
	SV-121G	9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 38, 39, 40, 42, 48
SAUDI ARABIA	SV-425G	6, 8, 11, 12, 17, 18, 20, 25, 26, 30, 31, 32, 35, 42, 45, 46, 48
	SV-223G	6, 11, 17, 18, 20, 25, 26, 30, 31, 32, 35, 39, 40, 42, 48
	SV-121G	9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 38, 39, 40, 42, 48
IRAN	SV-A80G(HCII)	6, 8, 11, 12, 17, 18, 20, 25, 26, 29, 35, 42, 45, 46, 48
	SV-A70G(HCII)	6, 11, 17, 18, 20, 25, 26, 29, 35, 39, 40, 42, 48
	SV-A11G(HCII)	9, 10, 11, 17, 18, 20, 29, 34, 38, 39, 40, 42, 48
EGYPT	SV-223G	6, 11, 17, 18, 20, 25, 26, 30, 31, 32, 35, 39, 40, 42, 48
	SV-121G	9, 10, 11, 17, 18, 19, 20, 30, 31, 32, 34, 38, 39, 40, 42, 48
ISRAEL	SV-425G	6, 8, 11, 12, 17, 18, 25, 26, 29, 31, 32, 35, 38, 41, 42, 46
AUSTRALIA	SV-425B	1, 6, 8, 9, 12, 17, 18, 25, 27, 29, 31, 32, 35, 38, 41, 46
	SV-225B	1, 6, 9, 17, 18, 25, 27, 29, 31, 32, 34, 38, 41
	SV-220B	9, 17, 18, 25, 27, 29, 31, 32, 34, 40, 42
NEW ZEALAND	SV-425X	1, 6, 8, 12, 17, 18, 25, 26, 29, 31, 32, 35, 38, 41, 46
	SV-220X	17, 18, 25, 26, 29, 31, 32, 34, 40, 42
THAILAND	SV-C30G	6, 8, 11, 17, 18, 20, 25, 26, 29, 31, 32, 34, 39, 40, 42
	SV-6C	9, 10, 11, 17, 18, 20, 29, 31, 32, 34, 38, 39, 40, 42
	SV-5C	9, 10, 11, 17, 18, 20, 29, 30, 31, 32, 34, 37, 40, 42
VIETNAM	SV-6C	9, 10, 11, 17, 18, 20, 29, 31, 32, 34, 38, 39, 40, 42
	SV-5C	9, 10, 11, 17, 18, 20, 29, 31, 32, 34, 37, 40, 42
MALAYSIA	SV-C12K	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 37, 40, 42
ALGECIRAS	SV-C12K	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 37, 40, 42
GUINEA	SV-C12K	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 37, 40, 42
MOROCCO	SV-C12K	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 37, 40, 42
ALGERIA	SV-C12K	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 37, 40, 42
SOUTH AFRICA	SV-425I	6, 8, 11, 12, 17, 18, 25, 26, 29, 31, 32, 35, 41, 42, 46
	SV-223I	6, 11, 17, 18, 25, 26, 29, 31, 32, 34, 37, 38, 39, 42
	SV-C12K	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 37, 40, 42
BULGARIA	SV-121G	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 38, 39, 40, 42
UGOSLABIA	SV-121G	9, 10, 11, 17, 18, 20, 29, 31, 32, 34, 38, 39, 40, 42
C.I.S.	SVR-425	2, 6, 8, 11, 12, 17, 18, 19, 25, 30, 31, 32, 35, 41, 45, 46
	SVR-423	8, 11, 12, 17, 18, 25, 30, 31, 32, 35, 37, 41, 42, 45, 46
	SVR-420	8, 11, 12, 17, 18, 25, 30, 31, 32, 35, 37, 39, 40, 41, 42, 46
	SVR-223	6, 11, 17, 18, 25, 30, 31, 32, 34, 38, 40, 41, 42, 45
	SVR-220	11, 17, 18, 25, 30, 31, 32, 34, 37, 39, 40, 41, 42
	SVR-120	9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 37, 40, 42
	SVR-121	9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 38, 39, 40, 42

MEMO